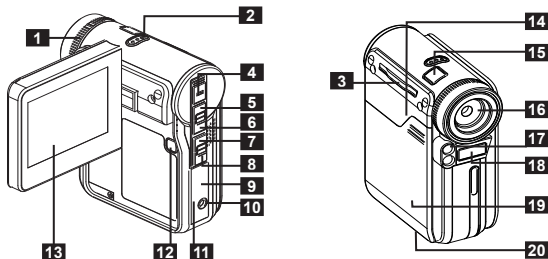




User Manual

V502G-J66
12MP Digital Camcorder

● Camcorder Parts



1 Focus switch

2 Microphone

3 Strap hook

4 Record button ()

5 Up button (Zoom in)

6 Down button (Zoom out)


7 Menu/OK Button

8 Mode/  button

9 USB Port


10 TV-out Connector

11 SD/MMC Card Slot

12 Power Button () /
Video light

13 LCD Panel

14 Speaker

15 Shutter Button ()

16 Lens

17 Video light

18 Flash strobe

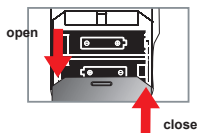
19 Battery cover

20 Tripod Port

● Loading the battery

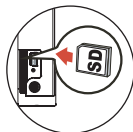
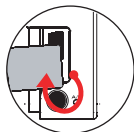
Please use two AA batteries.

1. Slide open the battery compartment cover as indicated.
2. Load the batteries into the battery compartment with + and - ends correctly installed.
3. Replace the cover.



● Inserting the SD/MMC card (optional)

1. Lift the SD card cover.
2. Insert the card in the direction of indication until it reaches the end of the slot.
3. When using a SD card, the built-in memory will become inaccessible.
4. To remove the SD card, gently push the card until it pops up.



● Turning on the camcorder

Open the LCD panel.

OR


Press and hold down the **Power** button () for 3 seconds.

● Turning off the camcorder





Close the LCD panel.

OR

Press and hold down the **Power** button () for 3 seconds.

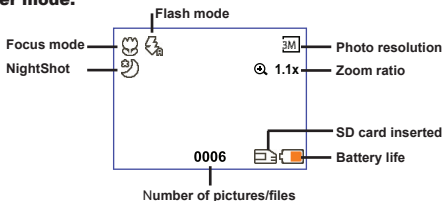
! Press the **Power** button () shortly will turn the video light on/off.

● Setting Language

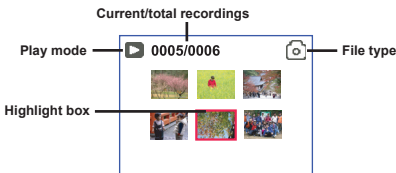
Power-on → Press the **Mode** button → Enter the **Setting** () mode → Use the **Zoom** buttons () to select the **Language** () item → Use the **Zoom** buttons () to select a suitable language and press the **Menu/OK** button to confirm.

● Reading LCD indicators

Digital Camcorder mode:



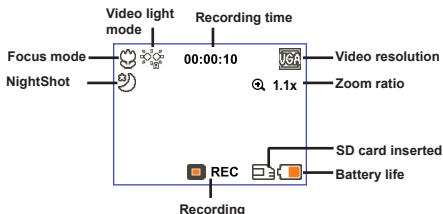
Playback thumbnail mode:








Playback full mode:







Video REC mode:





● Recording a video clip




1. Set the focus to an appropriate setting. Normally, you may set the focus to () for most filming conditions. Select () only for close-ups.
2. Press the **Record** button () to start recording.
3. Use the **Zoom** buttons () to zoom in or zoom out the screen.
4. Press the **Record** button () again to stop recording.


● Taking a still picture

1. Set the focus to an appropriate setting. Normally, you may set the focus to () for most filming conditions. Select () only for close-ups.
2. Use the **Zoom** buttons () to zoom in or zoom out the screen.
3. Press the **Shutter** button () to take a still picture.





	50cm ~ ∞
	30cm ~ 50cm

● Playing back your recordings

1. Press the **Mode** button.
2. Use the **Zoom** buttons () to select the **Playback** () mode.
3. Press the **Menu/OK** button to enter.
4. Use the **Zoom** buttons () to shift between files.
5. Press the **Menu/OK** button to review/play the file.

❗ Press the **Shutter** button () to delete files.

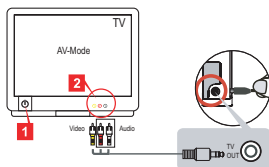
● Recording a voice clip

1. Press the **Mode** button.
2. Use the **Zoom** buttons () to select the **Voice** () mode.
3. Press the **Menu/OK** button to confirm. (*)
4. Press the **Record** button () to start recording.
5. When you are done, press the **Record** button () again to stop recording.

❗ When entering the **Voice** mode, the remaining recordable time will be displayed on the LCD.

● Connecting the camcorder to a TV

Connect your camcorder and TV via the accessory AV cable for real-time display. You can display your video clips, still pictures, and audio recordings directly on your TV, sharing them with your friends and family.



1. Turn on your TV and switch the TV to AV mode.

❗ The TV system is different across countries. If you need to adjust the **TV-out** setting, please refer to page 9 for more information. (Taiwan: NTSC; America: NTSC; Europe: PAL; China: PAL)

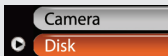
2. Connect the audio and video ends of the AV cable to the TV.
3. Turn on the camcorder.
4. Connect the other end of the AV cable to your camcorder.

● Connecting the camcorder to your PC

1. Turn on the camcorder.
2. Connect the camcorder to your computer by the USB cable.

❗ The default is set to "Disk" mode. When connected to a PC, the camcorder will automatically enter Disk (Removable disk) mode.


❗ If you set the USB Mode to "Menu" mode, the following screen will appear.





Please select the desired connection mode.

❗ If you would like to change the setting, please refer to page 10 for more information.

● Mode selection

1. Turn on the camcorder.
2. Press the **Mode** button.
3. Use the **Zoom** buttons () to select the desired item.
4. Press the **Menu/OK** button to confirm.

● Basic operation

How to...	Action
Move the highlight bar	Use the Zoom buttons () to move up or down.
Confirm an item	Press the Menu/OK button.
Exit menu/Go back to upper menu	Press the Mode/  button (when in sub-menu).

● Menu items in Camera mode (1)



Power-on → Press the **Menu/OK** button.

Item	Option	Description
Resolution	5 Mega-pixel Camera	1M
		3M
		5M
	12 Mega-pixel Camera	1M
		3M
		5M
		12M
Selftimer	On/Off	Enable the selftimer. After the selftimer is turned on, the camcorder will have ten seconds delay before recording when the Shutter button is pressed.
Flash	Auto	The flash automatically fires when the lighting is insufficient.
	On	The flash is forced to fire in every shot.
	Off	The flash is disabled.
Histogram	On/Off	The real-time histogram displays the approximate luminance distribution on the screen. You may adjust the exposure to gain better effect.

● Menu items in Camera mode (2)

Item	Option	Description
Video Resolution	VGA	Set the video resolution to VGA (640x480 pixels).
	QVGA	Set the video resolution to QVGA (320x240 pixels).
WB	Auto	The camcorder automatically adjusts white balance.
	Sunny	This setting is suitable for outdoor recording in sunny weather.
	Cloudy	This setting is suitable for recording in cloudy weather or shady environments.
	Fluorescent	This setting is suitable for indoor recording with fluorescent lamp lighting, or environments with high color temperature.
	Tungsten	This setting is suitable for indoor recording with incandescent lamp lighting, or environments with low color temperature.
Effect	Normal	Make recordings in natural color.
	B&W	Make recordings in black and white.
	Classic	Make recordings in sepia-toned color.
Exposure	-2~+2	Manually adjust the exposure to gain better effect when the preview image appears too bright or too dark. A positive value indicates the image will be brighter than usual; while a negative value makes the image dimmer.
NightShot	On/Off	This setting allows you to take a photograph with a dark background. Since the shutter speed will slow down when taking photographs at a dark place, we recommend using a tripod to eliminate blurring from hand shake.
Video Light	On/Off	The setting allows you to add extra light when the lighting is insufficient during recording video clips


● Menu items in Playback mode

Power-on → Press the **Mode** button → Enter the **Playback** () mode → Press the **Shutter** button ().


Item	Option	Description
Delete One	Yes/No	Delete current file.
Delete All	Yes/No	Delete all pictures and video/audio files stored in the memory.

● Menu items in Setting mode (1)

Power-on → Press the **Mode** button → Enter the **Setting** () mode.

Item	Option	Description
Beep	On/Off	Enable beep sound on/off.
Flicker	50Hz/60Hz	Set flicker frequency to 50Hz or 60Hz. For more information, please refer to the " Flicker Settings " table.
TV-out	NTSC	Set TV system compatibility to NTSC. This option is suitable for America, Taiwan, Japan, and Korea areas.
	PAL	Set TV system compatibility to PAL. This option is suitable for Germany, England, Italy, Netherlands, China, Japan, and Hong Kong.
Icon	On/Off	Enable/disable OSD icons to display on the screen.
LCD Bright	0 ~ 4	Set LCD brightness. A greater value makes the LCD brighter; while a smaller value makes the LCD dimmer.
Volume	0 ~ 10	Set the volume. (0: mute, 1-10 levels)
Format	 Yes	Format the storage medium. Note that all files stored in the medium will be gone. The serial number of the file name (PICTxxxx) will be restarted.
	No	Cancel action.
Auto Off	Off 1min/3min/ 5min	Set how long the camcorder will automatically shut down when staying inactive. Setting to [Off] will make the camcorder stay powered on until it runs out of power.

● Menu items in Setting mode (2)

Item	Option	Description
Language		Lets you select the language used for OSD.
USB Mode	Menu	When connected to a PC, the camcorder displays a menu for you to choose a desired connection mode.
	Camera	When connected to a PC, the camcorder automatically enters Camera (PC camera) mode.
	Disk	When connected to a PC, the camcorder automatically enters Disk (removable disk) mode.
Start Movie	On/Off	Enable/disable the movie sequence when the camcorder is powered on.
Default	On/Off	Restore factory defaults. Note that your current settings will be overridden.

! Flicker Settings

Area	England	Germany	France	Italy	Spain	Russia
Setting	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Area	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

Note: The flicker setting is based on the frequency standard of your local power supply.





● Storage Capacity

Memory	Video (min.)		Audio (min.)
	VGA	QVGA	Maximum
SD/MMC card (128MB)	2	9	100
SD/MMC card (256MB)	5	18	200
SD/MMC card (512MB)	10	36	300
SD/MMC card (1GB)	20	72	400

Memory	Still picture			
	12M	5M	3M	1M
SD/MMC card (128MB)	50	200	350	800
SD/MMC card (256MB)	100	400	700	1600
SD/MMC card (512MB)	200	800	1400	3200
SD/MMC card (1GB)	400	1600	2800	6400

Note: The actual value of capacity may vary (up to $\pm 30\%$) depending on the color saturation and complexity of your subject and surroundings.

● Battery Life Indicator

Icon	Description
	Full battery life
	Moderate battery life
	Low battery life
	Empty battery life

Note: To avoid sudden outage of power supply, you are recommended to replace the battery when the icon indicates low battery life.

GFM Guarantee

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